

KENWOOD

Listen to the Future

HOME ENTERTAINMENT 2005

New Products Autumn/Winter

Micro Systems

HM Series



HM-537WM-S HM-537WM-H
Compact HiFi Component System

HM-537WM-S

MP3 / WMA



HM-537WM-H

Main Features

- CD/cassette deck/tuner amplifier built-in
- CD-R/RW playback
- MP3/WMA playback
- USB Audio
- X- Bass/5 preset equalizer
- Timer (Recording/Program/Sleep)
- IR remote control
- DIN MUSIC POWER: 50W x 2
- POWER OUTPUT: 25W x 2 (1kHz, 4 ohms)

Amplifier Section (RXD-M57WM)

- LCD display

CD Player Section

- Front loading tray type mechanism
- Program play
- Random play
- Repeat (one, all)

Cassette Deck Section

- Full-logic mechanism
- Auto-reverse

Tuner Section:

- MW/FM digital synthesized tuner
- 30-station random memory
- RDS functions

Speaker Section (LS-M57WM)

- 2-way speaker system
- 100mm cone type woofer
- 25mm cone type tweeter
- Detachable grill



HM-437WM-S HM-437WM-H
Compact HiFi Component System

HM-437WM-S

MP3 / WMA



HM-437WM-H

Main Features

- CD/cassette deck/tuner amplifier built-in
- CD-R/RW playback
- MP3/WMA playback
- X- Bass/5 preset equalizer
- Timer (Recording/Play/Sleep)
- IR remote control
- DIN MUSIC POWER: 10W x 2
- POWER OUTPUT: 5W x 2 (1kHz, 10% THD, 4 ohms)

Amplifier Section (RXD-M47MPWM)

- LCD display

CD Player Section

- "Top open" tray type mechanism
- Program play
- Random play
- Repeat (one, all)

Cassette Deck Section

- Full-logic mechanism
- One-Way

Tuner Section

- MW/FM digital synthesized tuner
- 30-station random memory
- RDS functions

Speaker Section (LS-M47WM)

- 1-way speaker system
- 100mm full range cone speaker

Home Theatre Components

Speakers

Slim Design Featuring Advanced Resonance Acoustic Tube Construction to Provide Rich, Powerful Bass

Two new technologies and a new woofer unit with high drive power have further improved the Resonance Acoustic Tube System to assure even richer bass reproduction.

Thanks to the cabinet's back-to-back construction, the resonance tube is 1.5 times the length of a conventional resonance tube. Since the distance over which a woofer unit can move during a single stroke is extended, reproduction of bass sounds 10Hz lower than that possible with conventional speaker units is possible. What's more, the cabinet side panels are made of 19mm-thick MDF to support high internal pressure.

Woofer unit layout (patent acquired) is also optimized to match the new resonance tube. Following research using acoustic engineering simulations, the four woofer units were configured in the best positions. Optimizing the overlap range of the resonances from the four woofer units eliminates any gap in the reproduction range to assure a powerful, fat bass sound.



Aluminum Die Cast Frame

The frame, which plays a key role in helping achieve precise piston motion in the vibration system, is constructed of extremely rigid die cast aluminum. Besides supporting heavy magnetic circuitry, this firmly secures the unit to the baffles while assisting heat loss from powerful magnetic circuitry. The construction also features an Air Control Hole on the rear of the frame to assure smooth release of pressure as the speaker moves backwards and forwards.



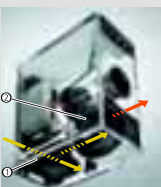
Innovative Square Voice Coil

A square voice coil is used to assure clear, clean low range reproduction with a feeling of power. Regular voice coils use wire with a round cross section, which always results in there being spaces between the wires that prevent the use of maximum magnetic power. However, by using wire with a completely square cross section, Kenwood has succeeded in boosting the density of the wires to enable maximum use of a powerful magnet's magnetic flux.



Original Sound Technology-Slanting Layout Woofer

With just a regular downward pointing unit⁽¹⁾, sound pressure was insufficient and there was the problem of mid- and low-range cut-off. The SW-508ES-M/SW-508ES-B solves this problem with an additional unit⁽²⁾ in a slanting layout, complementing frequency response and sound pressure to enable dynamic low-range reproduction.



LS-X70-M

Tall Boy

- Slim, wide range speakers delivering powerful bass
- Separate tweeter/ midrange cabinet
- Aluminum die cast flame woofer with square voice coil
- Bi-wiring and banana plug compatible gold-plated terminal
- Die cast speaker base
- 3-way, 6-speaker
- Magnetically shielded
- Resonance Acoustic Tube System
- Peak input power 130W
- Frequency response 38Hz-100kHz
- Impedance 8 ohms
- Sensitivity 84dB/W at 1m
- Woofer 80mm cone x 4
- Midrange 80mm cone type
- Tweeter 19mm cone type
- Dimensions:
- Width: 228mm
- Height: 1,119mm
- Depth: 325mm
- Weight: 15.7kg



Bi-wiring and Banana Plug Compatible Gold-Plated Solid Brass Jacks



CS-X70-M

Centre Speaker

- Original construction
- Separate tweeter/ midrange cabinet
- Aluminum die cast flame woofer with square voice coil
- Banana plug compatible gold-plated terminal
- Mount hole for wall mounting
- Height adjustment foot
- 4-way, 4-speaker
- Magnetically shielded
- Acoustic Air Suspension
- Peak input power 130W
- Frequency response 60Hz-100kHz
- Impedance 8 ohms
- Sensitivity 80dB/W at 1m
- Woofer 80mm cone x 2
- Midrange 80mm cone type
- Tweeter 19mm cone type
- Dimensions:
- Width: 420mm
- Height: 102mm
- Depth: 137mm
- Weight: 3.7kg



LS-X50-M

Bookshelf Speaker

- Bookshelf type compact speaker system
- Aluminum die cast flame woofer with square voice coil
- Banana plug compatible gold-plated terminal
- Mount hole for wall mounting
- Screw holes (M5) for speaker stand (SR-8000)
- 2-way, 3-speaker
- Magnetically shielded
- Acoustic Air Suspension
- Peak input power 130W
- Frequency response 60Hz-100kHz
- Impedance 8 ohms
- Sensitivity 79dB/W at 1m
- Woofer 80mm cone x 2
- Tweeter 19mm cone type
- Dimensions:
- Width: 102mm
- Height: 288mm
- Depth: 136mm
- Weight: 2.6kg



LS-9070ES-M

Tall Boy

- Slim, wide range speakers delivering powerful bass
- Separate tweeter/ midrange cabinet
- Aluminum die cast flame woofer with square voice coil
- Bi-wiring and banana plug compatible gold-plated terminal
- Die cast speaker base
- 3-way, 6-speaker
- Magnetically shielded
- Resonance Acoustic Tube System
- Peak input power 130W
- Frequency response 38Hz-100kHz
- Impedance 8 ohms
- Sensitivity 84dB/W at 1m
- Woofer 80mm cone x 4
- Midrange 80mm cone type
- Tweeter 19mm cone type
- Dimensions:
- Width: 228mm
- Height: 1,119mm
- Depth: 325mm
- Weight: 15.7kg



LS-5070-ES-M

Bookshelf Speaker

- Bookshelf type compact speaker system
- Long stroke woofer unit
- Banana plug compatible gold-plated terminal
- Wall-mount bracket for wall mounting
- Screw holes (M5) for speaker stand (SR-8000)
- 2-way, 2-speaker
- Magnetically shielded
- Bass-Reflex
- Peak input power 70W
- Frequency response 60Hz-100kHz
- Impedance 8 ohms
- Sensitivity 80dB/W at 1m
- Woofer 80mm cone type
- Tweeter 19mm cone type
- Dimensions:
- Width: 108mm
- Height: 213mm
- Depth: 172mm
- Weight: 2.2kg



CS-7070-ES-M

Centre Speaker

- Long stroke woofer unit
- Banana plug compatible gold-plated terminal
- Mount hole for wall mounting
- 2-way, 3-speaker
- Magnetically shielded
- Acoustic Air Suspension
- Peak input power 130W
- Frequency response 60Hz-100kHz
- Impedance 8 ohms
- Sensitivity 80dB/W at 1m
- Woofer 80mm cone x 2
- Tweeter 19mm cone type
- Dimensions:
- Width: 400mm
- Height: 102mm
- Depth: 136mm
- Weight: 3kg



SW-508ES-M SW-508ES-B

Powered Subwoofer System

- Slanting Layout Woofer
- Acoustic Air Suspension
- Dynamic Power 75W + 75W, 6 ohms
- Turn over adjustment
- RCA Mono. Input terminal
- Speaker input/ output terminal
- Frequency response 30Hz-800Hz
- Corn type woofer 160mm cones x 2
- Dimensions:
- Width: 219mm
- Height: 439mm
- Depth: 392mm
- Weight: 14.5kg



SW-508ES-M



SW-508ES-B

Home Entertainment

Audio-Video Control Centres



KRF-X9090D-S KRF-X9090D

AV Control Centre



Front Aux Inputs



KRF-X9090D-S Front Panel Open



KRF-X9090D

Front 120w	Front 120w	Centre 120w	Rear 120w	Rear 120w	Surround Back L 120w	Surround Back R 120w
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KRF-V8090D-S KRF-V8090D

AV Control Centre



KRF-V8090D

Front 120w	Front 120w	Centre 120w	Rear 120w	Rear 120w	Surround Back L 120w	Surround Back R 120w
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Amplifier

- Surround power output: 150W x 7 (1-ch driven, 6 ohms, 1kHz, 10% THD)
- Surround power output: 120W x 7 (1-ch driven, 6 ohms, 1kHz, 0.7% THD)
- Surround power output: 100W x 7 (1-ch driven, 6 ohms, 20Hz-20KHz, Front/Centre 0.09% THD, Surround/Surround back 0.7% THD)
- Stereo power output: 150W x 2 (6 ohms, 1kHz, 10% THD)
- Stereo power output: 120W x 2 (6 ohms, 1kHz, 0.7% THD)
- Stereo power output: 100W x 2 (DIN/IEC, 6 ohms)

Audio Features

- THX SELECT2-certified, THX SURROUND EX, DTS 96/24, DTS-ES, DTS, Dolby Digital, Dolby Pro Logic IIx
- 7-ch power amplifier built-in with capability to drive Surround Back Left/Right speakers
- 5 DSP listening modes
- Kenwood Room Acoustic Calibration
- Active EQ with Flat, Cinema, Music and Game modes
- 96kHz/24-bit audio reproduction capability
- Midnight mode (Dynamic compression system in Dolby Digital mode and DTS mode)
- Loudness control
- Bass boost
- Full Auto Digital/Analog Source Input Selector
- Set up memory for each channel/Input sensitivity control (Input level adjust by 3 steps)
- Digital REC mode (Auto/Manual)
- 32-Bit floating-point SHARC® Processor by Analog Devices
- Dolby Virtual Speaker and Dolby Headphone
- Linear TRAIT discrete power amplifier stage

- Kenwood original chemical condenser for high quality sound
- Advanced Ground Line
- Speakers A/B & A+B function
- Independent speaker level control adjustment

General Features

- HD Component Pass Through
- Display Dimmer function
- Digital AM/FM tuner; 40 presets
- 2 AC outlets
- LCD universal remote control (with Learning mode for other AV equipment)
- Plug and Play Game console input on front panel, with auto Game input detection and auto game surround setup
- Game Mode
- Crossover frequency adjustment (40Hz, 60Hz, 80Hz, 100Hz, 120Hz, 150Hz)
- Video up-conversion (Composite to S-Video)
- Aluminum Panel

Terminals

- 4 digital inputs (2 optical, 2 coaxial)
- 1 optical digital output
- 8 audio inputs (including Phono MM, Front AUX and 6-ch. Input)
- 2 audio outputs
- 13 visual inputs (Composite x 5, S-Video x 5, both including Front Aux, HD component x 3)
- 5 visual outputs (Composite x 2, S-Video x 2, HD component x 1, each including Monitor output)
- 8-ch pre-out (Left, Right, Centre, Surround L/R, Surround Back L/R, Subwoofer)
- 6-ch input for DVD-Audio and SACD reproduction
- All speaker terminals banana-plug compatible
- Zone B Audio/Video output (Composite)

Amplifier

- Surround power output: 150W x 7 (1-ch driven, 6 ohms, 1kHz, 10% THD):
- Surround power output: 120W x 7 (1-ch driven, 6 ohms, 1kHz, 0.7% THD)
- Surround power output: 100W x 7 (1-ch driven, 6 ohms, 20Hz-20KHz, Front/Centre 0.09% THD, Surround/Surround back 0.7% THD)
- Stereo power output: 150W x 2 (6 ohms, 1kHz, 10% THD)
- Stereo power output: 120W x 2 (6 ohms, 1kHz, 0.7% THD)
- Stereo power output: 100W x 2 (DIN/IEC, 6 ohms)

Audio Features

- Dolby Digital SURROUND EX, DTS 96/24, DTS-ES, DTS, Dolby Digital, Dolby Pro Logic IIx
- 7-ch power amplifier built-in with capability to drive Surround Back Left/Right speakers
- 5 DSP listening modes
- Kenwood Room Acoustic Calibration
- Active EQ with Cinema, Music and Game modes
- 96kHz/24-bit audio reproduction capability
- Midnight mode (Dynamic compression system in Dolby Digital mode and DTS mode)
- Loudness control
- Bass boost
- Full Auto Digital/Analog Source Input Selector
- Set up memory for each channel/Input sensitivity control (Input level adjust by 3 steps)
- Digital REC mode (Auto/Manual)
- 32-Bit floating-point SHARC® Processor by Analog Devices
- Dolby Virtual Speaker and Dolby Headphone

- Linear TRAIT discrete power amplifier stage
- Kenwood original chemical condenser for high quality sound
- Advanced Ground Line
- Speakers A/B & A+B function
- Independent speaker level control adjustment

General Features

- HD Component Pass Through
- Display Dimmer function
- Digital AM/FM tuner; 40 presets
- 2 AC outlets
- Universal preset remote control (with the capability of controlling A/V equipment and game consoles)
- Plug and Play Game console input on front panel, with auto Game input detection and auto game surround setup
- Game Mode
- Crossover frequency adjustment (40Hz, 60Hz, 80Hz, 100Hz, 120Hz, 150Hz)
- Video up-conversion (Composite to S-Video)
- Aluminum Panel
- Volume knob decorated by diamond cut

Terminals

- 4 digital inputs (2 optical, 2 coaxial)
- 1 optical digital output
- 8 audio inputs (including Phono MM, Front AUX and 6-ch. input)
- 2 audio outputs
- 13 visual inputs (Composite x 5, S-Video x 5, both including Front Aux, HD component x 3)
- 5 visual outputs (Composite x 2, S-Video x 2, HD component x 1, each including Monitor output)
- Pre-output (Subwoofer)
- 6-ch input for DVD-Audio and SACD reproduction
- All speaker terminals banana-plug compatible

Fashions change.
Great sound doesn't.

Superb sound
wherever you go.



HD20GA7-W HD20GA7-B



Digital **HDD** Audio Player

HD20GA7-W HD20GA7-B

Digital Amplifier **MP3 / WMA** Hi-quality Headphone **20GB**

- Memory Capacity HDD 20GB
- Playback formats MP3/ WMA (w/DRM)/ WAV
- New Clear Digital Amplifier
- Advanced Grand frame chassis
- 24h (MP3 128kbps, WMA 64kbps) Playback time
- Multi function navigation key & 2way speed search key
- USB Storage device (USB2.0 & 1.1)
- 2.2 inch color display
- 10 preset EQ settings Loudness/ Bass1/ Bass2/ Rock/ Pops/ Jazz/ Dance/ Custom/ Voice/ Noise cut
- Play mode Play all/ Play folder /Repeat one/ Repeat folder/ Rand. folder/ Rand. all
- Re-chargeable Li-ion battery
- Sleep mode & Alarm timer
- PC application Kenwood Media Application
- Languages: English, Japanese, French, Spanish, German, Dutch, Italian

Accessories: •Hi-quality inner head-phones •Multi voltage AC adaptor & cable •USB cable •Carrying case •Quick start manual Dimensions and weight:
•(W x H x D) 104 x 61 x 17mm •140g

Product Lineup

+ Audio-Video Control Centres

KRF-X9090D-S/KRF-X9090D

KRF-V8090D-S/KRF-V8090D

+ HM Series

HM-537WM-S/HM-537WM-H

HM-437WM-S/HM-437WM-H

+ Speakers

LS-X70-M/CS-X70-M/LS-X50-M/

LS-9070ES-M/LS-5070-ES-M/

CS-7070-ES-M/SW-508ES-M/

SW-508ES-B

+ Digital HDD Audio Player

HD20GA7-W/HD20GA7-B



2005 Spring/Summer Catalogue



2005 Autumn/Winter Catalogue

For the complete 2005 line-up of products, please check our 2005 Spring/Summer catalogue

Listen to the Future

Kenwood has always connected with people through sound. Now we want to expand the world of sound in ways that only Kenwood can, listening to our customers and to the pulse of the coming age as we head toward a future of shared discovery, inspiration and enjoyment.

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